

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended February 8, 1958

EPIDEMIOLOGICAL REPORTS

Influenza

The number of deaths from all causes in the 114 large cities was 12,415 for the week ended February 8. This is the first time since the week ended January 4 that deaths from all causes were less than the peak in October. The number of deaths from influenza and pneumonia in 108 cities declined to 709 from 750 for the week ended February 1. However, there was an increase over the previous week in the East North Central, East South Central, and Pacific areas. The decline is the first since the last week in December.

Information has been received of 3 separate outbreaks of acute respiratory disease in 3 different companies of recruits on a military establishment in the eastern part of the country.

In 1 training company, there were 35 cases in 3 days beginning on January 16. Confirmation of influenza was obtained by laboratory tests on 10 of the cases. In another company, there were 14 cases in 3 days, and in the third, 16 cases occurred in a 5-day period; but the results of the laboratory tests for these cases are not available at this time. These companies are parts of 3 different regiments with little or no contact with each other.

Reports were received of 2 additional localized outbreaks of influenza which were confirmed by laboratory tests. One occurred among recruits in a military training station in the midwest about the middle of January. At this station, the respiratory disease admission rate increased to 25 per 1,000 men per week in the week ended January 18 from a rate of 12 for the preceding 2 weeks. Influenza virus antigenically similar to

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: Continental United States

(Numbers after diseases are category numbers of the Seventh Revision of the International Lists, 1955)

DISEASE	6th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Feb. 8, 1958	Ended Feb. 9, 1957	Median 1953-57	First 6 weeks			Since seasonal low week			
				1958 ¹	1957	Median 1953-57	1957-58 ¹	1956-57	Median 1952-53 to 1956-57	
Anthrax-----062	-	-	-	-	1	2	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	-	-	-	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	18	13	24	76	77	138	(2)	(2)	(2)	(2)
Diphtheria-----055	22	24	45	120	138	271	892	887	1,583	July 1
Encephalitis, infectious-----082	11	18	16	116	108	108	1,414	1,674	1,455	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	346	392	659	2,080	2,354	3,876	5,885	7,553	10,544	Sept. 1
Malaria-----110-117	1	-	3	6	8	19	(2)	(2)	(2)	(2)
Measles-----085	13,888	13,195	13,195	56,974	62,456	52,020	89,877	99,665	83,361	Sept. 1
Meningococcal infections-----057	62	62	96	350	312	572	1,307	1,043	1,594	Sept. 1
Meningitis, other-----340	36	32	---	266	177	---	---	---	---	---
Poliomyelitis-----080	10	49	72	119	280	706	5,487	14,628	35,223	Apr. 1
Paralytic-----080.0,080.1	9	29	---	68	161	---	1,952	6,287	---	Apr. 1
Nonparalytic-----080.2	1	13	---	40	72	---	2,679	5,680	---	Apr. 1
Unspecified-----080.3	-	7	---	11	47	---	856	2,661	---	Apr. 1
Psittacosis-----096.2	2	4	4	10	18	18	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	-	-	-	(2)	(2)	(2)	(2)
Typhoid fever-----040	333	22	25	3104	115	150	31,124	1,562	2,023	Apr. 1
Typhus fever, endemic-----101	-	5	3	2	19	13	91	105	154	Apr. 1
Rabies in animals-----	103	94	104	4538	567	700	41,353	1,531	2,065	Oct. 1

¹Data exclude report from South Dakota for week ended February 1, 1958.

²Data show no pronounced seasonal change in incidence.

³Includes delayed report from Florida (13 cases).

⁴Includes revised report from Kentucky for week ended January 25, 1958.

Symbols.—1 dash [-]: no cases reported; 3 dashes [---]: data not available.

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EPIDEMIOLOGICAL REPORTS—Continued

the Asian strains was isolated from 6 nonvaccinated men and from 3 who had received a monovalent vaccine 8 to 11 days prior to onset. Another outbreak has occurred in a hospital in the New York City area. No details are available except that this outbreak was shown by laboratory tests to have been caused by an Asian strain of influenza virus. No State reported any community-wide outbreak of influenza.

Dr. M. M. Sigel, University of Miami, reported an outbreak of respiratory disease which occurred on board a Coast Guard vessel shortly before Christmas. Thirty-nine of the 128 crew members were affected. Records indicate that in September 1957 the majority of the crew had received influenza vaccine which was administered in 0.2 ml. doses intradermally. The clinical impression of the illnesses was that of an adenovirus infection inasmuch as the majority of the patients had signs of conjunctivitis. An Asian strain of influenza virus was isolated from 4 of 6 pools of throat washings (2 or 3 per pool) taken from men who were ill. In addition, serologic findings on 12 of the patients gave clear-cut indication that Asian influenza virus was the cause of the illness. The acute phase sera showed no antibodies or, at best, only low titers of antibody in the HI test with the Asian strain of virus. It appeared that any immunity that may have been produced by the vaccine in September was dissipated 3 months later. All tests proved negative for adenovirus.

Dr. Robert Oseasohn, Western Reserve University, has supplied a preliminary summary of influenza-associated deaths which were studied by the Department of Preventive Medicine and the coroner's office of Cuyahoga County. A total of 43 such deaths were studied; these included 25 in males and 18 in females. The deaths by age and by month were as follows:

Under 10 years-----	5
10-19 years-----	8
20-29 years-----	6
30-39 years-----	2
40-49 years-----	8
50-59 years-----	6
60 years and over-----	8
September-----	2
October-----	24
November-----	11
December-----	4
January-----	2

An influenza virus was isolated in 25 of the 43 deaths. In only one instance was virus isolated from a specimen of lung tissue without being simultaneously present in the trachea. The interval between onset of infection and death in those from whom virus was isolated was considerably shorter than in those from whom no virus was isolated. For instance, 14 of the 25 with virus, or 56 percent, died by the fourth day after onset; and 3 of the 18 without virus, or 17 percent, died by the fourth day. Three deaths in nonwhite females 20 to 29 years old were associated with pregnancy. A surveillance of influenza was also maintained at the University hospitals. Three cases were identified in June but none in July or August.

In September, there was an increase in influenza-like illness. Asian strains of influenza virus were isolated in 6 of 13 ill persons seen in the employees health clinic. Twenty of 25 persons employed on 1 ward were ill September 13 to 24. Throat washings were positive in 3. Six of 19 exposed patients

were ill between the 16th and 23rd. One 64-year-old patient admitted in August developed a febrile illness on September 17 and died 8 days later. A severe staphylococcal tracheobronchitis with minimal signs of bronchopneumonia was found at autopsy. Two attempts to isolate virus from lung tissue were unsuccessful.

Dr. Thomas Francis, Jr., University of Michigan, has reported the isolation of an Asian strain of influenza virus from the lung of a 57-year-old male who died with pulmonary congestion. The basic diagnosis of this case was rheumatic heart disease with mitral insufficiency. It was also reported that there is a slight increase but no major upswing in clinical cases of influenza in Ann Arbor.

Disease of unknown etiology

Dr. T. S. Drachman, Westchester County (New York) Health Department, has reported an outbreak of illness among village school children in which there was an abrupt increase in absenteeism over night in the third week of January. Sixty-eight children had abdominal pain and vomiting with only an occasional case of diarrhea. Relapses with fever were common 24 to 48 hours after apparent recovery. Another group of 35 children in the school had symptoms of an upper respiratory infection. Comparatively few had an illness with both gastrointestinal and respiratory symptoms. Secondary household cases were common, and similar illnesses occurred in nearby communities. Laboratory reports of specimens examined are not yet available.

Mushroom poisoning

Information has been received from the California State Department of Public Health that 2 individuals became ill with nausea, vomiting, severe abdominal pain, diarrhea, headache, fever, and prostration 1½ hours after eating wild mushrooms. The symptoms lasted 1 day, and both persons recovered. The mushrooms had not been stored but were eaten directly after being fried in butter. No mushrooms were available for examination.

Staphylococcal food poisoning

Dr. R. F. McAteer, Rhode Island Department of Health, has reported an outbreak of staphylococcal food poisoning in 18 persons following the consumption of cream-filled pastry from a bakery. The symptoms in all cases consisted of vomiting, cramps, diarrhea, fever, and prostration; and 2 of the individuals were hospitalized. No specimens of vomitus or stool were obtained. Examination of cream puffs and eclairs from the bakery revealed Staphylococcus aureus, phage type 52. Cultures from a clerk and a boy who cleaned up in the bakery were positive for S. aureus, phage type 52; and the boy also had a stool culture containing Salmonella.

Gastro-enteritis

The Louisiana State Department of Health has reported an outbreak of gastro-enteritis in approximately 1,000 of 1,700 students eating Sunday dinner in a university cafeteria. Completed questionnaires were obtained from 1,238 persons, and revealed the following: Of 135 persons who did not eat the suspected meal, only 2 percent became ill within the next 72 hours, while of the 1,103 individuals who ate the suspected meal 60 percent became ill during the same period. Abdominal cramps occurred in 80 percent of the patients, diarrhea in 67 percent, nausea in 23 percent, vomiting in 17 percent, fever in 15 percent, and chills in 14 percent, although the infirmary reported

Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 9, 1957 AND FEBRUARY 8, 1958

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	BRUCELLOSIS (UNDULANT FEVER)		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
	044		6th week		Cumulative first 6 weeks		082		6th week		Cumulative first 6 weeks	
	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957
CONT. UNITED STATES ¹ -----	18	13	22	24	120	138	11	18	346	392	2,080	2,354
NEW ENGLAND-----	-	-	-	-	2	2	-	2	13	21	54	161
Maine-----	-	-	-	-	-	1	-	-	1	4	7	43
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	3
Vermont-----	-	-	-	-	-	-	-	-	-	2	-	33
Massachusetts-----	-	-	-	-	2	1	-	1	5	5	27	49
Rhode Island-----	-	-	-	-	-	-	-	1	5	6	11	15
Connecticut-----	-	-	-	-	-	-	-	-	2	4	9	18
MIDDLE ATLANTIC-----	-	-	3	1	11	6	1	1	36	44	227	291
New York-----	-	-	1	-	6	2	1	1	18	25	121	154
New Jersey-----	-	-	-	1	1	2	-	-	5	6	29	55
Pennsylvania-----	-	-	2	-	4	2	-	-	13	13	77	82
EAST NORTH CENTRAL-----	5	1	1	-	4	11	2	1	70	108	318	459
Ohio-----	1	-	-	-	2	3	-	-	25	20	89	128
Indiana-----	-	-	-	-	-	-	-	-	5	19	42	39
Illinois-----	2	1	-	-	-	-	-	1	23	40	67	100
Michigan-----	1	-	1	-	2	8	-	1	14	23	106	150
Wisconsin-----	1	-	-	-	-	-	-	1	3	6	14	42
WEST NORTH CENTRAL ¹ -----	9	6	1	9	5	17	2	1	20	9	91	168
Minnesota-----	1	-	-	8	-	10	-	-	-	2	13	58
Iowa-----	4	2	-	-	2	1	-	-	3	-	16	34
Missouri-----	-	-	-	-	-	-	-	-	7	4	27	29
North Dakota-----	-	-	-	-	1	-	-	-	3	2	18	39
South Dakota-----	-	-	-	1	1	4	1	-	-	-	1	3
Nebraska-----	4	1	1	-	2	1	-	-	-	-	4	3
Kansas-----	-	3	-	-	-	1	1	1	7	1	13	2
SOUTH ATLANTIC-----	1	3	9	2	37	36	1	-	23	26	142	140
Delaware-----	-	-	-	-	-	-	-	-	-	-	3	-
Maryland-----	-	-	-	-	1	1	-	-	3	10	17	16
District of Columbia-----	-	-	-	-	-	-	-	-	-	1	1	7
Virginia-----	1	2	-	-	5	-	1	-	6	5	38	43
West Virginia-----	-	-	-	-	1	1	-	-	4	1	14	12
North Carolina-----	-	-	1	-	7	7	-	-	1	1	13	15
South Carolina-----	-	-	5	2	7	9	-	-	2	1	5	4
Georgia-----	-	-	-	-	10	9	-	-	4	3	20	24
Florida-----	-	1	3	-	6	9	-	-	3	4	31	19
EAST SOUTH CENTRAL-----	-	1	1	6	12	28	-	1	34	57	181	371
Kentucky-----	-	1	-	1	1	8	-	-	13	35	94	135
Tennessee-----	-	-	1	1	4	2	-	-	14	15	52	178
Alabama-----	-	-	-	2	5	8	-	-	7	3	26	29
Mississippi-----	-	-	-	2	2	10	-	1	-	4	9	29
WEST SOUTH CENTRAL-----	2	2	4	6	25	29	-	3	18	34	127	129
Arkansas-----	-	-	-	1	2	2	-	-	2	4	9	18
Louisiana-----	1	2	-	-	1	-	-	-	2	1	4	9
Oklahoma-----	-	-	3	1	9	5	-	-	4	2	21	18
Texas-----	1	-	1	4	13	22	-	3	10	27	93	84
MOUNTAIN-----	-	-	3	-	22	6	-	-	62	29	587	205
Montana-----	-	-	1	-	11	2	-	-	10	5	42	20
Idaho-----	-	-	-	-	1	-	-	-	7	3	27	15
Wyoming-----	-	-	-	-	2	1	-	-	-	2	2	6
Colorado-----	-	-	2	-	5	-	-	-	-	-	17	32
New Mexico-----	-	-	-	-	2	3	-	-	12	11	55	59
Arizona-----	-	-	-	-	1	-	-	-	29	6	403	44
Utah-----	-	-	-	-	-	-	-	-	3	2	26	11
Nevada-----	-	-	-	-	-	-	-	-	1	-	15	18
PACIFIC-----	1	-	-	-	2	3	5	9	70	64	353	430
Washington-----	1	-	-	-	-	-	-	-	13	9	69	74
Oregon-----	-	-	-	-	1	-	-	-	5	23	37	94
California-----	-	-	-	-	1	3	5	9	52	32	247	262
Alaska-----	-	-	-	-	-	-	-	-	8	-	26	5
Hawaii-----	-	-	-	-	-	-	-	-	2	-	8	3
Puerto Rico-----	-	-	3	-	5	2	-	-	1	-	24	6

¹Data exclude report from South Dakota for week ending February 1, 1958.

Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 9, 1957 AND FEBRUARY 8, 1958--Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	POLIOMYELITIS 080								MALARIA		MEASLES	
	Total ²				Paralytic		Nonparalytic		110-117		085	
	6th week		Cumulative first 6 weeks		080.0,080.1		080.2		110-117		085	
	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957
CONT. UNITED STATES ¹ -----	10	49	119	280	9	29	1	13	1	-	13,868	13,195
NEW ENGLAND-----	-	-	2	3	-	-	-	-	-	-	1,941	437
Maine-----	-	-	2	1	-	-	-	-	-	-	91	37
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	353	1
Vermont-----	-	-	-	-	-	-	-	-	-	-	39	103
Massachusetts-----	-	-	-	-	-	-	-	-	-	-	1,146	122
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	103	-
Connecticut-----	-	-	-	2	-	-	-	-	-	-	209	174
MIDDLE ATLANTIC-----	-	-	8	8	-	-	-	-	-	-	2,028	1,770
New York-----	-	-	6	7	-	-	-	-	-	-	1,472	895
New Jersey-----	-	-	2	1	-	-	-	-	-	-	276	588
Pennsylvania-----	-	-	-	-	-	-	-	-	-	-	280	287
EAST NORTH CENTRAL-----	1	8	10	32	-	2	1	4	-	-	3,074	1,871
Ohio-----	-	2	2	9	-	-	-	-	-	-	409	213
Indiana-----	-	-	1	5	-	-	-	-	-	-	334	232
Illinois-----	-	1	1	5	-	1	-	-	-	-	355	349
Michigan-----	1	5	4	10	-	1	1	4	-	-	359	466
Wisconsin-----	-	-	2	3	-	-	-	-	-	-	1,617	611
WEST NORTH CENTRAL ¹ -----	-	3	3	24	-	1	-	1	-	-	271	607
Minnesota-----	-	-	-	1	-	-	-	-	-	-	42	178
Iowa-----	-	-	1	3	-	-	-	-	-	-	81	179
Missouri-----	-	1	1	6	-	1	-	-	-	-	74	108
North Dakota-----	-	-	-	-	-	-	-	-	-	-	64	111
South Dakota-----	-	-	1	-	-	-	-	-	-	-	4	25
Nebraska-----	-	2	-	8	-	-	-	1	-	-	6	6
Kansas-----	-	-	-	6	-	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	1	13	37	50	1	9	-	1	-	-	1,311	986
Delaware-----	-	-	-	-	-	-	-	-	-	-	21	14
Maryland-----	-	-	-	-	-	-	-	-	-	-	301	13
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	62	3
Virginia-----	-	1	1	3	-	1	-	-	-	-	187	89
West Virginia-----	1	3	1	3	1	3	-	-	-	-	416	146
North Carolina-----	-	1	17	7	-	1	-	-	-	-	92	47
South Carolina-----	-	2	1	14	-	1	-	1	-	-	128	170
Georgia-----	-	5	-	7	-	3	-	-	-	-	83	190
Florida-----	-	1	17	16	-	-	-	-	-	-	21	314
EAST SOUTH CENTRAL-----	2	2	15	20	2	1	-	-	-	-	1,541	1,971
Kentucky-----	-	-	10	2	-	-	-	-	-	-	603	813
Tennessee-----	-	1	2	5	-	-	-	-	-	-	819	811
Alabama-----	2	1	2	5	2	1	-	-	-	-	76	254
Mississippi-----	-	-	1	8	-	-	-	-	-	-	43	93
WEST SOUTH CENTRAL-----	2	13	16	57	2	9	-	4	-	-	1,626	1,852
Arkansas-----	-	-	1	1	-	-	-	-	-	-	50	27
Louisiana-----	1	1	6	9	1	1	-	-	-	-	8	25
Oklahoma-----	-	-	-	2	-	-	-	-	-	-	63	38
Texas-----	1	12	9	45	1	8	-	4	-	-	1,505	1,762
MOUNTAIN-----	1	3	5	23	1	2	-	1	1	-	894	1,245
Montana-----	-	-	-	1	-	-	-	-	-	-	142	66
Idaho-----	-	-	-	-	-	-	-	-	-	-	256	41
Wyoming-----	-	-	1	-	-	-	-	-	-	-	20	1
Colorado-----	-	3	-	5	-	2	-	1	-	-	99	83
New Mexico-----	1	-	2	3	1	-	-	-	-	-	159	178
Arizona-----	-	-	1	3	-	-	-	-	1	-	115	133
Utah-----	-	-	1	9	-	-	-	-	-	-	101	715
Nevada-----	-	-	-	2	-	-	-	-	-	-	2	28
PACIFIC-----	3	7	23	63	3	5	-	2	-	-	1,202	2,456
Washington-----	-	-	-	1	-	-	-	-	-	-	200	309
Oregon-----	-	3	2	6	-	2	-	1	-	-	339	241
California-----	3	4	21	56	3	3	-	1	-	-	663	1,906
Alaska-----	-	-	-	1	-	-	-	-	-	-	6	14
Hawaii-----	-	-	1	1	-	-	-	-	-	-	-	343
Puerto Rico-----	4	-	12	4	4	-	-	-	-	-	81	55

¹Data exclude report from South Dakota for week ending February 1, 1958.²Includes cases not specified by type, category number 080.3.

Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 9, 1957 AND FEBRUARY 8, 1958—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

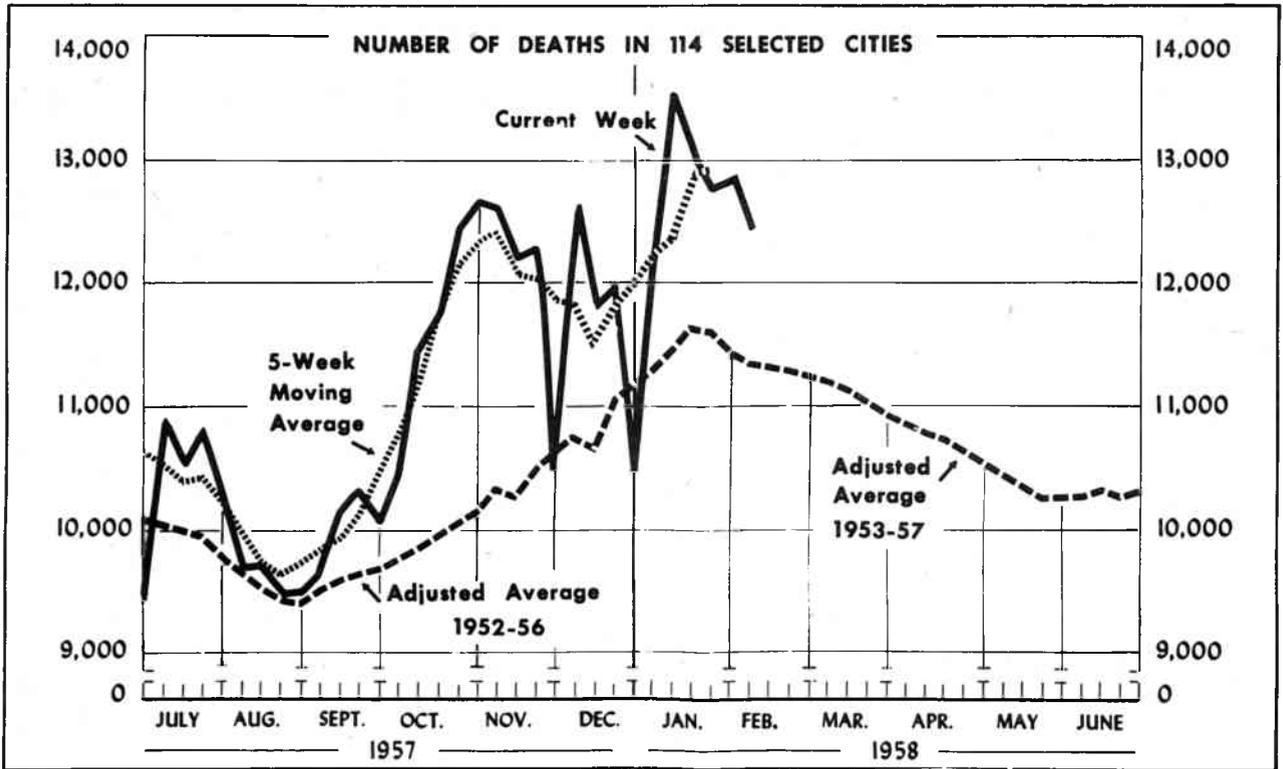
AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	057	340	096.2							101		
	1958	1957	1958	1957	1958	1957	1958	1957	1958	1958	1957	
CONT. UNITED STATES ¹ -----	62	62	36	2	4	33	22	104	115	-	103	94
NEW ENGLAND-----	4	6	1	1	1	-	1	1	5	-	-	-
Maine-----	-	1	-	-	-	-	-	-	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	3	1	-	-	-	-	-	1	1	-	-	-
Rhode Island-----	-	1	1	-	-	-	-	-	2	-	-	-
Connecticut-----	1	3	-	1	1	-	1	-	2	-	-	-
MIDDLE ATLANTIC-----	5	9	-	-	1	4	9	11	17	-	6	3
New York-----	3	7	-	-	1	-	3	2	5	-	5	3
New Jersey-----	1	-	-	-	-	3	4	4	6	-	-	-
Pennsylvania-----	1	2	-	-	-	1	2	5	6	-	1	-
EAST NORTH CENTRAL-----	8	15	10	1	1	2	1	10	13	-	13	7
Ohio-----	-	3	-	1	1	1	-	1	9	-	6	-
Indiana-----	1	-	2	-	-	-	-	4	1	-	3	-
Illinois-----	4	6	7	-	-	-	1	-	1	-	1	5
Michigan-----	1	4	1	-	-	-	-	2	2	-	-	1
Wisconsin-----	2	2	-	-	-	1	-	3	-	-	3	1
WEST NORTH CENTRAL ¹ -----	2	5	1	-	-	-	3	14	13	-	19	28
Minnesota-----	-	2	-	-	-	-	1	1	1	-	8	9
Iowa-----	-	-	1	-	-	-	-	4	4	-	9	12
Missouri-----	1	1	-	-	-	-	1	6	6	-	-	5
North Dakota-----	-	-	-	-	-	-	-	-	-	-	1	-
South Dakota-----	1	-	-	-	-	-	1	1	1	-	-	-
Nebraska-----	-	-	-	-	-	-	-	1	-	-	1	2
Kansas-----	-	2	-	-	-	-	-	2	1	-	-	-
SOUTH ATLANTIC-----	15	6	8	-	-	17	6	30	19	-	26	28
Delaware-----	-	1	-	-	-	-	-	1	-	-	-	-
Maryland-----	-	-	1	-	-	-	-	-	-	-	-	-
District of Columbia-----	1	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	3	1	4	-	-	-	1	2	5	-	14	11
West Virginia-----	3	-	-	-	-	-	1	1	4	-	2	2
North Carolina-----	2	1	-	-	-	1	2	9	3	-	-	-
South Carolina-----	1	-	-	-	-	-	-	1	-	-	2	4
Georgia-----	-	1	-	-	-	-	1	-	4	-	8	10
Florida-----	5	2	3	-	-	³ 16	1	³ 16	3	-	-	1
EAST SOUTH CENTRAL-----	9	10	7	-	-	1	-	6	17	-	18	13
Kentucky-----	1	4	1	-	-	-	-	1	2	-	13	7
Tennessee-----	2	3	4	-	-	-	-	2	9	-	2	-
Alabama-----	4	3	-	-	-	1	-	2	-	-	3	6
Mississippi-----	2	-	2	-	-	-	-	1	6	-	-	-
WEST SOUTH CENTRAL-----	9	4	6	-	-	2	1	20	17	-	19	12
Arkansas-----	-	1	-	-	-	-	-	-	5	-	5	6
Louisiana-----	4	-	-	-	-	1	-	11	1	-	-	5
Oklahoma-----	1	-	-	-	-	-	-	-	3	-	1	1
Texas-----	4	3	6	-	-	1	1	9	8	-	13	-
MOUNTAIN-----	2	3	2	-	-	-	1	1	7	-	2	2
Montana-----	-	-	-	-	-	-	-	-	1	-	-	-
Idaho-----	-	1	-	-	-	-	-	-	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	-	1	2	-	-	-	-	-	2	-	-	-
New Mexico-----	1	1	-	-	-	-	1	1	3	-	-	2
Arizona-----	-	-	-	-	-	-	-	-	1	-	2	-
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-
Nevada-----	1	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	8	4	1	-	1	7	-	11	7	-	-	1
Washington-----	1	-	-	-	-	-	-	-	-	-	-	-
Oregon-----	2	-	1	-	-	3	-	3	-	-	-	-
California-----	5	4	-	-	1	4	-	8	7	-	-	1
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	1	-	-	-
Puerto Rico-----	-	-	-	-	-	-	-	2	7	-	-	-

¹Data exclude report from South Dakota for week ending February 1, 1958.

³Includes delayed report (13 cases).

Symbol.—1 dash [-] : no cases reported.

Morbidity and Mortality Weekly Report



The chart shows the number of deaths reported for 114 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week and an adjusted average, 1953-57, for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1953-57, 3 central figures are selected by eliminating the highest and lowest figures reported for that week. A 5-week moving average of the arithmetic means of the 3 central figures is then computed. The adjusted average shown in the chart is the 5-week moving average increased by 2.3 percent to allow for estimated population growth in the cities.

The use of the adjusted average is based on the assumption that the crude death rate and changes in population will remain at the level of recent years. No allowance has been made for increased use of city hospital facilities.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in a specified city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week an estimate is made for use in plotting the figure in the chart.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence, and week of filing certificate. Excludes fetal deaths)

AREA	6th week ended Feb. 8, 1958	5th week ended Feb. 1, 1958	Adjusted average, 6th week 1953-57	Percent change, adjusted average to current week	CUMULATIVE NUMBER FIRST 6 WEEKS		
					1958	1957	Percent change
TOTAL: 114 REPORTING CITIES-----	12,415	12,858	11,375	+9.1	76,745	69,557	+10.3
New England----- (14 cities)	768	718	747	+2.8	4,619	4,643	-0.5
Middle Atlantic----- (20 cities)	¹ 3,702	3,872	3,368	+9.9	¹ 22,582	20,148	+12.1
East North Central----- (19 cities)	2,614	2,789	2,443	+7.0	16,468	14,842	+11.0
West North Central----- (9 cities)	827	912	803	+3.0	5,257	4,812	+9.2
South Atlantic----- (11 cities)	1,034	1,062	949	+9.0	6,514	5,976	+9.0
East South Central----- (8 cities)	632	560	515	+22.7	3,641	3,088	+17.9
West South Central----- (13 cities)	1,120	1,124	883	+26.8	6,741	5,735	+17.5
Mountain----- (8 cities)	320	351	272	+17.6	2,039	1,704	+19.7
Pacific----- (12 cities)	1,398	1,470	1,376	+1.6	8,884	8,609	+3.2

¹Includes estimate for missing city.

Morbidity and Mortality Weekly Report

7

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence, and week of filing certificate. Excludes fetal deaths)

AREA	6th week ended Feb. 8, 1958	5th week ended Feb. 1, 1958	CUMULATIVE NUMBER FIRST 6 WEEKS		AREA	6th week ended Feb. 8, 1958	5th week ended Feb. 1, 1958	CUMULATIVE NUMBER FIRST 6 WEEKS	
			1958	1957				1958	1957
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	272	246	1,593	1,574	St. Louis, Mo.-----	270	300	1,751	1,456
Bridgeport, Conn.-----	42	36	249	244	St. Paul, Minn.-----	59	83	494	420
Cambridge, Mass.-----	29	24	175	201	Wichita, Kans.-----	34	67	295	289
Fall River, Mass.-----	30	18	170	155	SOUTH ATLANTIC:				
Hartford, Conn.-----	54	59	354	348	Atlanta, Ga.-----	101	107	708	748
Lowell, Mass.-----	26	23	172	171	Baltimore, Md.-----	252	292	1,732	1,554
Lynn, Mass.-----	22	18	134	147	Charlotte, N. C.-----	44	33	220	221
New Bedford, Mass.-----	30	30	191	189	Jacksonville, Fla.-----	73	67	453	340
New Haven, Conn.-----	45	54	292	302	Miami, Fla.-----	101	85	477	319
Providence, R. I.-----	66	75	446	409	Norfolk, Va.-----	35	29	233	254
Somerville, Mass.-----	15	13	88	84	Richmond, Va.-----	95	60	476	504
Springfield, Mass.-----	37	43	269	267	Savannah, Ga.-----	28	37	234	203
Waterbury, Conn.-----	30	28	179	166	St. Petersburg, Fla.-----	(82)	(83)	(470)	---
Worcester, Mass.-----	70	51	327	386	Tampa, Fla.-----	50	62	430	416
MIDDLE ATLANTIC:					Washington, D. C.-----	210	244	1,312	1,178
Albany, N. Y.-----	60	64	336	309	Wilmington, Del.-----	45	46	239	239
Allentown, Pa.-----	31	44	240	240	EAST SOUTH CENTRAL:				
Buffalo, N. Y.-----	151	150	1,024	936	Birmingham, Ala.-----	103	105	591	482
Camden, N. J.-----	49	39	290	258	Chattanooga, Tenn.-----	61	58	353	323
Elizabeth, N. J.-----	54	31	233	163	Knoxville, Tenn.-----	24	28	198	198
Erie, Pa.-----	29	30	227	226	Louisville, Ky.-----	138	102	777	676
Jersey City, N. J.-----	77	67	511	454	Memphis, Tenn.-----	133	111	769	650
Newark, N. J.-----	114	136	746	686	Mobile, Ala.-----	46	52	295	208
New York City, N. Y.-----	1,917	2,059	11,615	10,405	Montgomery, Ala.-----	76	32	274	159
Paterson, N. J.-----	40	57	303	240	Nashville, Tenn.-----	51	72	384	392
Philadelphia, Pa.-----	569	604	3,461	2,778	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	219	222	1,330	1,191	Austin, Tex.-----	36	54	216	210
Reading, Pa.-----	28	23	132	155	Baton Rouge, La.-----	42	41	241	168
Rochester, N. Y.-----	124	95	643	649	Corpus Christi, Tex.-----	21	32	149	116
Schenectady, N. Y.-----	31	27	173	144	Dallas, Tex.-----	154	123	744	686
Scranton, Pa.-----	33	26	197	258	El Paso, Tex.-----	45	48	265	186
Syracuse, N. Y.-----	64	74	408	380	Fort Worth, Tex.-----	86	79	426	386
Trenton, N. J.-----	44	57	325	284	Houston, Tex.-----	188	190	1,142	919
Utica, N. Y.-----	31	35	179	193	Little Rock, Ark.-----	67	64	374	335
Yonkers, N. Y.-----	37	32	209	199	New Orleans, La.-----	197	223	1,334	1,106
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	67	82	496	402
Akron, Ohio-----	53	52	373	318	San Antonio, Tex.-----	95	110	715	610
Canton, Ohio-----	30	27	183	201	Shreveport, La.-----	39	55	309	307
Chicago, Ill.-----	872	955	5,559	4,827	Tulsa, Okla.-----	83	23	330	304
Cincinnati, Ohio-----	186	181	1,088	994	MOUNTAIN:				
Cleveland, Ohio-----	233	224	1,360	1,355	Albuquerque, N. Mex.-----	27	38	165	157
Columbus, Ohio-----	134	125	765	666	Colorado Springs, Colo.--	18	16	90	85
Dayton, Ohio-----	73	77	487	470	Denver, Colo.-----	125	141	612	746
Detroit, Mich.-----	369	373	2,173	2,044	Ogden, Utah-----	15	21	104	80
Evansville, Ind.-----	34	35	250	181	Phoenix, Ariz.-----	56	55	338	191
Flint, Mich.-----	45	36	250	234	Pueblo, Colo.-----	14	13	81	82
Fort Wayne, Ind.-----	28	50	241	233	Salt Lake City, Utah-----	43	41	294	253
Gary, Ind.-----	39	37	227	189	Tucson, Ariz.-----	22	26	155	110
Grand Rapids, Mich.-----	34	52	289	238	PACIFIC:				
Indianapolis, Ind.-----	121	129	774	762	Berkeley, Calif.-----	17	23	121	132
Madison, Wis.-----	---	(29)	---	(196)	Fresno, Calif.-----	(46)	(32)	(235)	---
Milwaukee, Wis.-----	146	193	976	791	Glendale, Calif.-----	(30)	(40)	(216)	---
Peoria, Ill.-----	40	33	204	189	Long Beach, Calif.-----	57	60	381	357
Rockford, Ill.-----	(26)	(19)	(173)	(136)	Los Angeles, Calif.-----	558	566	3,261	3,141
South Bend, Ind.-----	32	36	180	158	Oakland, Calif.-----	117	103	644	632
Toledo, Ohio-----	99	122	747	625	Pasadena, Calif.-----	32	31	221	258
Youngstown, Ohio-----	46	52	342	367	Portland, Ore.-----	62	56	639	608
WEST NORTH CENTRAL:					Sacramento, Calif.-----	57	56	341	332
Des Moines, Iowa-----	52	71	385	343	San Diego, Calif.-----	75	90	538	520
Duluth, Minn.-----	32	15	153	179	San Francisco, Calif.-----	213	204	1,328	1,243
Kansas City, Kans.-----	20	39	182	187	San Jose, Calif.-----	(26)	(19)	(140)	---
Kansas City, Mo.-----	156	144	793	705	Seattle, Wash.-----	145	141	855	834
Lincoln, Nebr.-----	(31)	(26)	(175)	---	Spokane, Wash.-----	38	53	309	300
Minneapolis, Minn.-----	126	130	779	777	Tacoma, Wash.-----	27	52	246	252
Omaha, Nebr.-----	78	63	425	456	Honolulu, Hawaii-----	(30)	(54)	(242)	(255)

¹Estimated.

Symbols.--parentheses [()] : data not included in table 3; 3 dashes [---] : data not available.

EPIDEMIOLOGICAL REPORTS—Continued

that none of the 486 students coming there had fever. On the basis of the questionnaires attack rates were calculated for the various foods individually and in combination. The highest attack rate (65 percent) was noted in persons eating both turkey and dressing in contrast to a low rate (5 percent) in persons eating neither of these items. Attack rates were somewhat lower in both those eating turkey without the dressing (41 percent) and those eating only the dressing (25 percent). Apparently the consumption of both items constituted a larger dose of the infective organism. Laboratory examination of the leftover foods was negative. Stool specimens collected from 19 students and 32 cafeteria workers were negative for *Salmonella* and *Shigella* organisms. The lowest attack rate (7 percent) was among cafeteria workers. A sanitary inspection of the cafeteria's kitchen revealed the following defects: wooden-top worktables with open seams which could not be easily cleaned, a dirty ice storage container, two sinks with submerged inlets permitting back siphonage, dripping overhead pipes at the doors of walk-in coolers, evidence of mice in the storeroom, and roach killer stored in the food storage room.

Information has been received from the Los Angeles County (California) Health Department regarding an outbreak of gastroenteritis in 3 or 4 persons eating in a restaurant. Nausea, vomiting, cramps, and diarrhea began 10 to 13 hours after eating barbecued chicken, and 1 individual had bloody diarrhea. The symptoms lasted from 1 to 2 days. Stool specimens from these 3 persons were negative.

QUARANTINE MEASURES

Immunization Information for International Travel
No changes reported.

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and of Alaska, Hawaii, and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting on these diseases. In addition, when diseases of rare occurrence (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted at the end of table 1.

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